Directions

Glance 'n Go Sampling for Greenbugs in Winter Wheat

Treatment Threshold = 11 Greenbugs/Tiller



Economic Thresholds for January - May

Prepared by Tom A. Royer and K.L. Giles, Oklahoma State University, and N.C. Elliott, USDA-ARS, Stillwater, OK.

- ► To sample the wheat field, use a "zig zag" or "W" pattern and walk at least 15 steps (about 30 ft) between stops.
- ► Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- At each stop, color in the leaf for each tiller that has one or more greenbugs on it, and keep a running total. If the number of infested tillers is less than or equal to the number in the "Don't Treat" column then stop sampling, and do not treat. If the number of infested tillers is equal to or greater than the number in the "Treat" column then stop sampling, and treat the field. If the number falls within the numbers listed in the "Keep Sampling" column, continue sampling until a decision can be made, or the "Stop Sampling" box has been reached.
- ▶ If the "Stop Sampling" box is reached and a decision is not made:
 - ▶ Do not spray if most of the greenbugs are mummies.
 - ▶ Recheck the field in 2-4 days if no or very few mummies are present.

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Field 1

Date

Spring, Threshold = 11

Sample ▼			ry 30 ft. and look at ch tiller that has 1 o			Total tillers with 1 or more	Keep Sampling	Treat	
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	Treat ▼	▼ 8	lacktriangle
Tillers 1-15 ▶	$\Diamond \Diamond \Diamond$	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	۵۵۵	▶ /15▶	11 or less	12-15	N/A
Tillers 16-30 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	▶ /30 ▶	25 or less	26-30	N/A
Tillers 31-45 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	000	► /45 ►	39 or less	40-44	45
Tillers 46-60 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /60▶	53 or less	54-58	59 or more
Tillers 61-75 ▶	$\delta\delta\delta$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	▶ /75 ▶	67 or less	68-72	73 or more
Tillers 76-90 ▶	$\Diamond \Diamond \Diamond$	000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	۵۵۵	▶ /90▶	81 or less	82-86	87 or more

Field 2

Date

Spring, Threshold = 11

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Sample ▼		Total tillers with 1 or more	1 Don t		Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	Sampling ▼	▼
Tillers 1-15 ▶	۵۵۵	٥٥٥	٥٥٥	٥٥٥	۵۵۵	▶ /15▶	11 or less	12-15	N/A
Tillers 16-30 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	► /30 ►	25 or less	26-30	N/A
Tillers 31-45 ▶	۵۵۵	000	٥٥٥	٥٥٥	۵۵۵	▶ /45▶	39 or less	40-44	45
Tillers 46-60 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	۵۵۵	▶ /60 ▶	53 or less	54-58	59 or more
Tillers 61-75 ▶	۵۵۵	000	٥٥٥	000	۵۵۵	▶ /75 ▶	67 or less	68-72	73 or more
Tillers 76-90 ▶	۵۵۵	٥٥٥	٥٥٥	٥٥٥	۵۵۵	▶ /90▶	81 or less	82-86	87 or more
		Stop Samplin	g Resamp	le in 2-4 days		•	,		

Field 3		Date	S	pring, Three	shold = 11	_		OKLA	DSU SHOMA COOPERATIVE EXTENSION SERVICE
Sample V		Stop eve Mark a leaf for ea		Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat		
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	lacktriangle
Tillers 1-15 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /15▶	11 or less	12-15	N/A
Tillers 16-30 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	► /30 ►	25 or less	26-30	N/A
Tillers 31-45 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	► /45 ►	39 or less	40-44	45
Tillers 46-60 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /60▶	53 or less	54-58	59 or more
Tillers 61-75 ▶	٥٥٥	٥٥٥	۵۵۵	٥٥٥	۵۵۵	► /75 ►	67 or less	68-72	73 or more
Tillers 76-90 ▶	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	▶ /90 ▶	81 or less	82-86	87 or

Field 4 Date Spring, Threshold = 11

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Sample ▼			ery 30 ft. and look at ich tiller that has 1 o			Total tillers with Don't Ke 1 or more Treat Samp			Treat
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼ Treat	▼	•
Tillers 1-15 ▶	۵۵۵	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /15▶	11 or less	12-15	N/A
Tillers 16-30 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /30 ▶	25 or less	26-30	N/A
Tillers 31-45 ▶	٥٥٥	$\delta\delta\delta$	٥٥٥	٥٥٥	٥٥٥	► /45 ►	39 or less	40-44	45
Tillers 46-60 ▶	٥٥٥	000	٥٥٥	٥٥٥	٥٥٥	▶ /60▶	53 or less	54-58	59 or more
Tillers 61-75 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /75 ▶	67 or less	68-72	73 or more
Tillers 76-90 ▶	۵۵۵	٥٥٥	۵۵۵	٥٥٥	٥٥٥	▶ /90▶	81 or less	82-86	87 or more
		Stop Samplin	g Resamp	le in 2-4 days		-			

Field 5 Date Spring, Threshold = 11

Sample ▼		Stop eve Mark a leaf for ea	Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼ "	lacktriangle
Tillers 1-15 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /15▶	11 or less	12-15	N/A
Tillers 16-30 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /30 ▶	25 or less	26-30	N/A
Tillers 31-45 ▶	٥٥٥	٥٥٥	۵۵۵	۵۵۵	٥٥٥	▶ /45 ▶	39 or less	40-44	45
Tillers 46-60 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /60▶	53 or less	54-58	59 or more
Tillers 61-75 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	۵۵۵	▶ /75 ▶	67 or less	68-72	73 or more
Tillers 76-90 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	۵۵۵	▶ /90 ▶	81 or less	82-86	87 or more